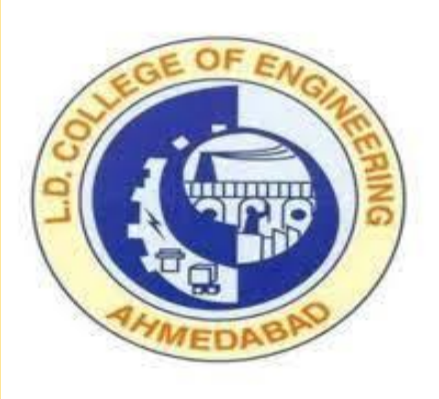


Project Title

Automatic Baby Bed Using Arduino Uno

Project By:

SHUBHAM GOHEL: 170280111020

JAY PANCHAL: 170280111054

DARSHAN PATEL: 170280111063

Guided By:

PRITI J. MULIYA

TEAM NO: 11

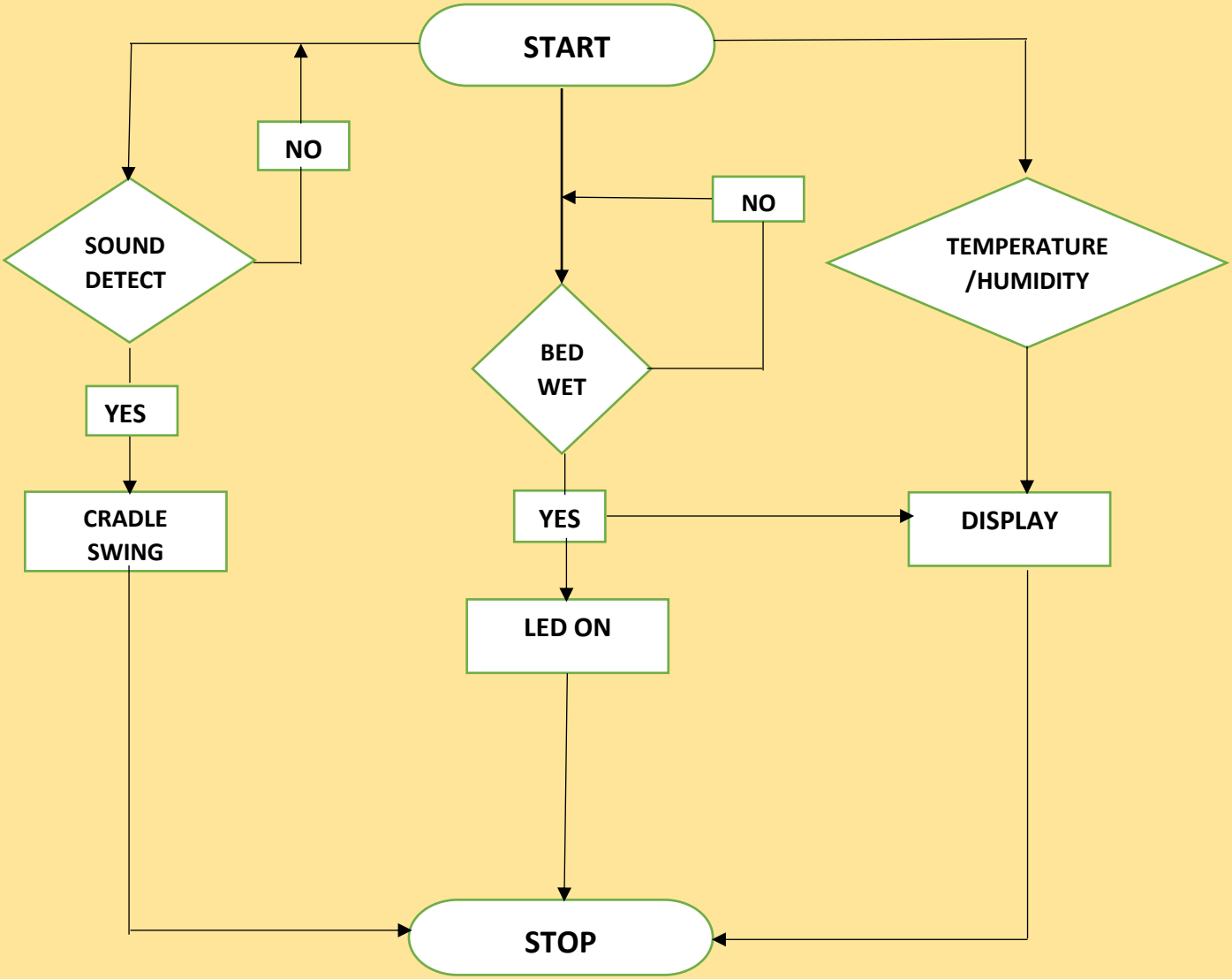
PROJECT SPECIFICATION

- The baby cradle which is manually designed does not required any high power supply to operate.
- There are many manual baby cradle design available in the market but this is automatic design manual baby cradle.
- It is automatic swinging cradle as well as it also check temperature and humidity.
  It detect the condition whether baby is dry or wet.

HARDWARE REQUIRED

- Arduino Uno Board
- Servo Motor
- Wet Sensor
- Sound Sensor
- Humidity and Temperature Sensor
- Jumper Wires
- Led
- Buzzer

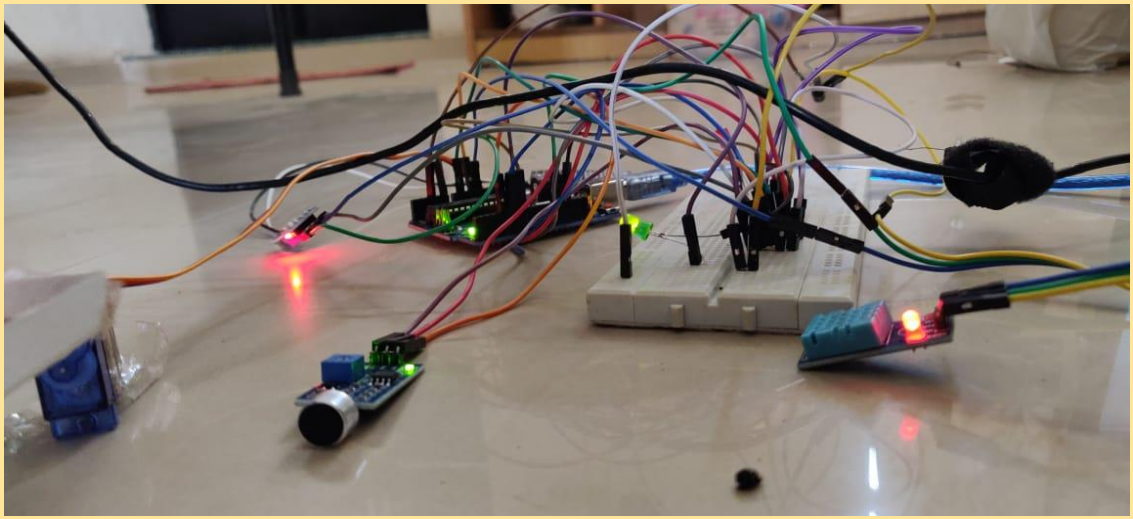
FLOWCHART

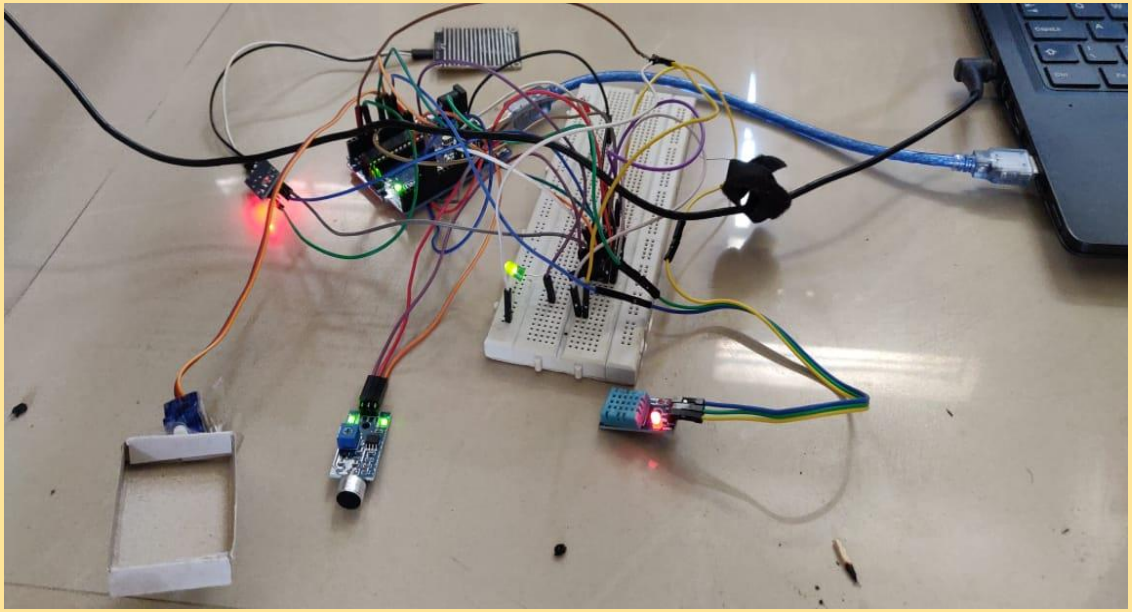

START
NO
SOUND DETECT
YES
CRADLE SWING
NO
BED WET
YES
LED ON
TEMPERATURE /HUMIDITY
DISPLAY
STOP

FEATURES

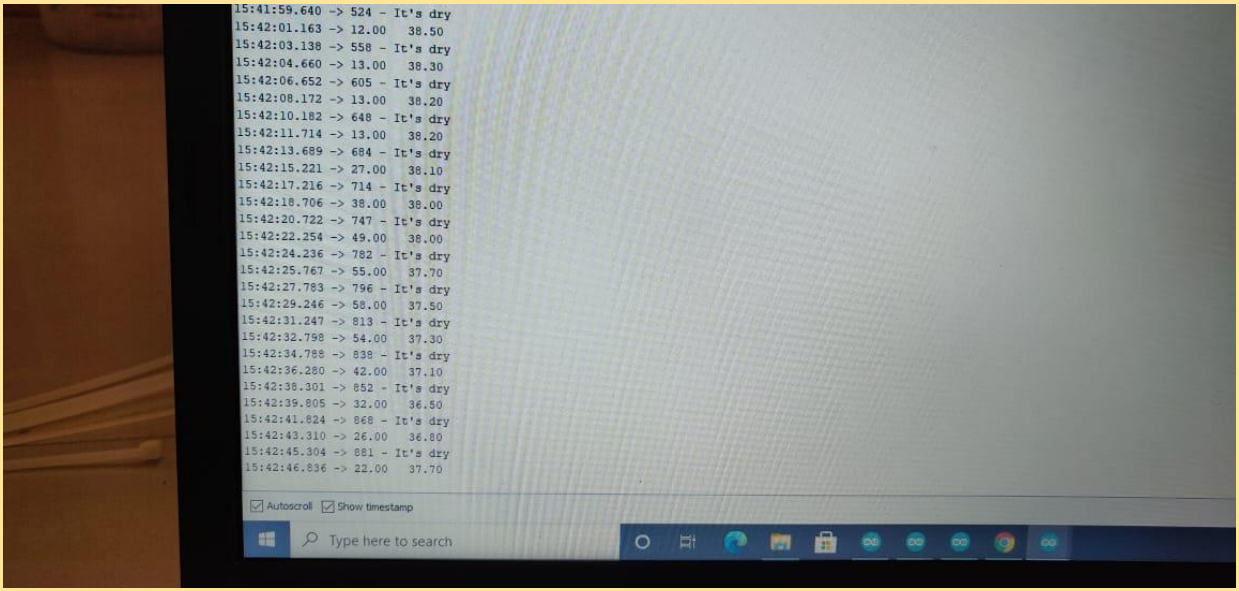
- Low cost And Small size
- Easy to Use And Widely Available
- Easy to Interface
- Detecting Range 10 cm to 80 cm
- Response Time - 50ms
- Dissipation Current – 35mA
- Supply Voltage – 2 to 7 Volt

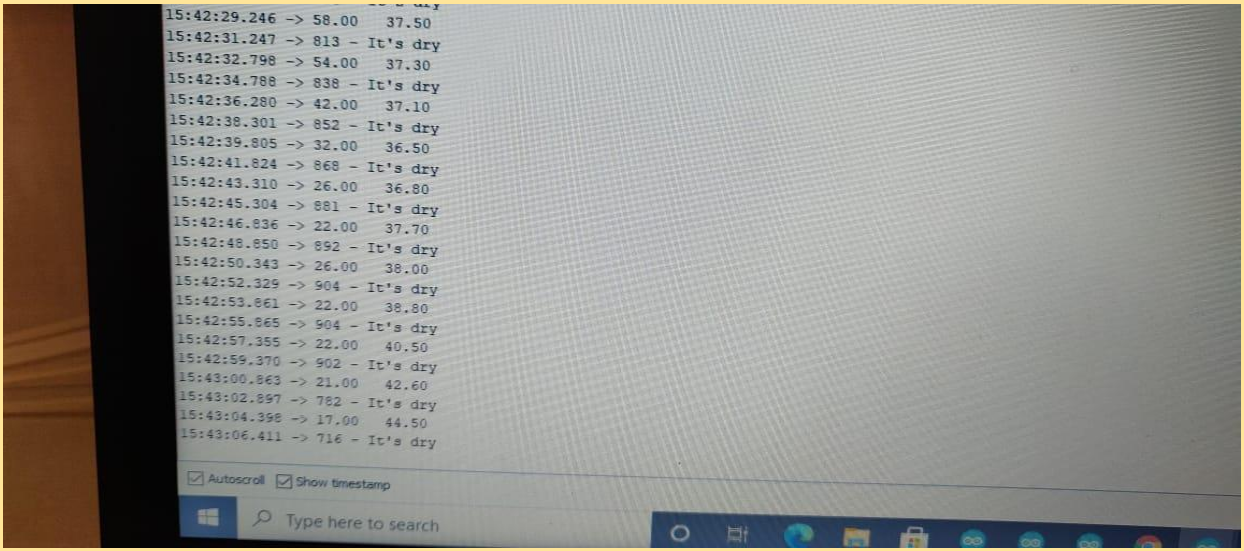
FINAL PROJECT





OUTPUT OF THE PROJECT





CONCLUSION

- In the present study an intelligent baby cradle system was developed. The cradle was capable of detecting the movement of the baby and initiate cradle swing.
- Also it is capable to detect whether the baby's cloths are dry or not.
- This automatic smart cradle also check the baby temperature and humidity around it and display to you.

APPLICATION & ADVANTAGES

- It is widely used in hospital and home
- The cost of making this project is just around 1200 - 1500.
- So all can afford the baby cradle.
- This helpful the mothers who is housewife and also she has to take care of her baby.

FUTURE SCOPE

- In future we can add more feature to make it more efficient and effortless for the users.
- Like we will make it fully automatic baby cradle and monitoring system.
- We will use the GSM technology to detect the actual position of the baby.
- We will make the cradle to fully IOT based project to know every movement and every action which will take by the baby.

THANK YOU

Project By:

SHUBHAM GOHEL: 170280111020

JAY PANCHAL: 170280111054

DARSHAN PATEL: 170280111063

Guided By:

PRITI J. MULIYA

TEAM NO: 11